

**SYSTEM AND APPARATUS FOR TESTING BALL GRID ARRAYS**

**INVENTOR:**

**MUWAFFAQ ALGHOULI**

5

**ABSTRACT**

An apparatus for testing ball grid arrays ("BGAs") is provided. The apparatus includes, a socket slot in a printed circuit board for holding a socket used for testing the BGAs;  
10 and plural holding members that support BGA solder balls. The socket top may have plural prong like holding members; plural circular holding members; and/or plural spiral holding members for supporting the solder balls. The holding members may be etched on a BGA socket top and are flexible, rigid and/or semi-  
15 rigid to provide support for the solder balls.